

Isolation Transformer

Hospital-grade line noise reduction and spike suppression



Model #: IS250HG

- ▶ Complete line isolation, noise filtering and surge suppression is ideal for sensitive equipment
- ▶ 250 watts, 2 outlets, 6-ft. power cord
- ▶ Hospital-grade plug and receptacles
- ▶ 2-year limited product warranty

DESCRIPTION

Tripp Lite Isolator series UL2601-1 listed Hospital Grade isolation transformers offer line isolation, continuous noise filtering and enhanced common mode surge suppression. Internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL2601-1 medical grade listing with hospital-grade plug and outlet receptacles makes Isolator Hospital Grade transformers ideal for the protection of sensitive electronic equipment in patient-care areas. Isolation transformer with Faraday shield reduces the cumulative leakage current of the Isolator and connected equipment to levels below 300 microamps. Secondary neutral to ground bonding virtually eliminates common mode noise, providing an isolated neutral-ground reference for sensitive equipment and an inexpensive alternative to the installation of dedicated circuits and site electrical upgrades. Removes EMI/RFI noise, utility switching transients, and harmonics generated by other on-site loads and utility or lightning related surge conditions. Additional surge suppression components placed at the line input and output combined with full line isolation offers continuous filtering of a full range of power line noise in all modes. Active transformer filtering offers continuous common-mode noise rejection with no wearable parts, uniquely able to reduce surges in the worst of power environments to harmless levels. Reduces 6000V IEEE587 Cat A&B ring wave and combination wave test surges to only 0.5V common mode. Model IS250HG includes 2 widely spaced NEMA5-15R hospital grade output receptacles, a 6-ft power cord, hospital grade input plug, circuit breaker overload protection and lighted power switch. Rugged all-metal unit housing ships ready for placement in any industrial, medical, office or network environment.

PLUG / OUTLETS: Input: NEMA 5-15P Hospital-Grade / Output: 2 NEMA 5-15R Hospital Grade

ELECTRICAL: 120V AC, 60Hz, 2.1A (Requires NEMA 5-15R wall receptacle)

FORMAT: Upright tower

ISOLATION: Transformer based line isolation with Faraday shield

KEY BUYING POINTS

- Tripp Lite's IS250HG Hospital Grade isolation transformer offers line isolation, continuous noise filtering and enhanced common mode surge suppression.
- Internal low-impedance isolation transformer with Faraday shield offers 100% isolation from the input AC line
- Full UL2601-1 medical grade listing with hospital-grade plug and outlet receptacles makes Isolator Hospital Grade transformers ideal for the protection of sensitive electronic equipment in patient-care areas.
- Reduces the cumulative leakage current of the Isolator and connected equipment to levels below 300 microamps
- Secondary neutral to ground bonding eliminates common mode noise, providing an isolated ground reference for sensitive equipment
- Serves as an inexpensive alternative to the installation of dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, load generated harmonics and ground loops
- Additional surge suppression components placed at the line input and output combined with full line isolation offers continuous filtering of a full range of power line noise in all modes
- Active transformer filtering offers continuous common-mode noise rejection with no wearable parts, uniquely able to reduce surges in the worst of power environments to harmless levels
- Reduces 6000V IEEE587 Cat A&B ring wave and combination wave test surges to only 0.5V common mode
- Includes 2 widely spaced NEMA5-15R hospital grade output receptacles, a 6-ft power cord, hospital grade input plug, circuit breaker overload protection and lighted power switch.
- Rugged all-metal unit housing ships ready for upright tower or wallmount placement in any industrial, medical, office or network

environment

- 2-year limited product warranty

PACKAGE INCLUDES

- IS250HG Isolation Transformer
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

| | |
|---|--|
| Nominal Voltage / Frequency | 120V / 60Hz |
| VA / Watt Capacity | 250 |
| Amp Capacity | 2.1A at 120V AC |
| Transformer Type | Hospital Grade, low impedance transformer-based line isolation transformer |
| Total Harmonic Distortion | less than 1% |
| Over Current Protection | Yes, 2A circuit breaker |
| Output Receptacle Qty / Type | 2 NEMA5-15R Hospital Grade Outlets |
| Input Plug Type | NEMA5-15P Hospital Grade Plug |
| Input Cord Length | 6.00 ft. / 1.83 m |
| Leakage Current | less than 300 microamps |
| Efficiency | 96% |
| Suppression Joule Rating | 680 Joules Total (510 joules input / 170 joules output) |
| Noise Suppression Rating | 35-65 DB |
| Surge Test Conditions | Per ANSI/IEEE C62.41 - IEEE587 Cat. A & B test waveforms |
| Let-through Voltage (Ring Wave) | L-N: 20V L-G: 20V N-G: 0.5V |
| Let-through Voltage (Combination Wave) | L-N: 250V L-G: 250V N-G: 0.5V |
| Cooling Method | Convection |
| Form Factor | Small tower format, wall mountable |
| Unit Dimensions (HWD/in.) | 4.5 x 4.75 x 7.75 |
| Shipping Weight | 13.80 lbs. / 6.26 kg |
| Warranty | 2-year limited product warranty |
| Approvals | UL (UL Series AGIS250YWN), cUL |

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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